Arecibo Area, Puerto Rico Northern Part Chemical Properties of the Soils

(Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	рн	Pct	Pct	mmhos/cm	_
AaC:		 	 			ł		
Aceitunas	0-6	i	3.0-6.0	3.5-5.5	i o i	o i	0	i o
	6-65	ļ	25-30	3.5-5.5	0	0	0	0
AcC:		 	 					
Aceitunas	0-6	i	3.0-6.0	3.5-5.5	i o i	o i	0	i o
	6-65	ļ	25-30	3.5-5.5	0	0	0	0
AdF2:		 	 					
Adjuntas	0-24	i	4.0-7.0	3.5-5.5	i o i	o j	0	i o
	24-48	ļ	<u> </u>		ļ ļ	į		j
\gC:		 	 					
Algarrobo	0-11	i	1.0-2.0	3.5-5.5	i o i	o i	0	i o
j	11-32	i	0.0-2.0	3.5-5.5	i o i	o i	0	i o
j	32-37	i	0.0-2.0	3.5-5.5	i o i	o i	0	j o
	37-68	i	0.0-2.0	3.5-5.5	i o i	o i	0	i o
	68-80	j	1.0-5.0	3.5-5.5	0	0	0	0
AlB:		 	 					
Almirante	0-6	i	5.0-7.0	3.5-5.5	i o i	o i	0	i o
	6-64	ļ	3.0-5.0	3.5-5.5	0	0	0	0
AlC:		 	 			 		
Almirante	0-6		5.0-7.0	3.5-5.5	0	o i	0	i o
	6-64	i	3.0-5.0	3.5-5.5	0	o i	0	i o

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Map symbol and soil name	Depth 	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
AmB:	In	meq/100 g	 meq/100 g	рН	Pct	Pct	mmhos/cm	
AMB: Almirante	l 0-6	 	 5.0-7.0	 3.5-5.5	 0	0	0	0
AIMILANCE	6-64		3.0-5.0	3.5-5.5		0	0	
AmC:	 	 	 			}		
Almirante	0-6	i	5.0-7.0	3.5-5.5	i o i	o i	0	i o
	6-64	ļ	3.0-5.0	3.5-5.5	0	0	0	Ö
AnB:	[[-
Almirante	0-6	j	5.0-7.0	3.5-5.5	j 0 j	0	0	j o
	6-64		3.0-5.0	3.5-5.5	0	0	0	0
AnC:	 	 	! 					
Almirante	0-6		5.0-7.0	3.5-5.5	0	0	0	0
	6-64		3.0-5.0	3.5-5.5	0	0	0	0
AoD2:	 					i		
Alonso	0-7		9.0-10	4.5-5.5	0	0	0	0
	7-45		6.0-10	4.5-5.5	0	0	0	0
	45-60 		6.0-8.0 	4.5-5.5 	0	0	0	0
AoE2:		į	į		j j	į		į
Alonso	0-7	ļ	9.0-10	4.5-5.5	0	0	0	0
	7-45	ļ	6.0-10	4.5-5.5	0	0	0	0
	45-60 		6.0-8.0 	4. 5-5.5 	0	0	0	0
AoF2:						j		į
Alonso	0-7	ļ	9.0-10	4.5-5.5	0	0	0	0
	7-45	ļ	6.0-10	4.5-5.5	0	0	0	0
	45-60		6.0-8.0	4.5-5.5	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange	Effective cation	Soil reaction	Calcium carbon-	Gypsum	Salinity	Sodium adsorp-
	 	capacity	exchange capacity	 	ate 			tion ratio _
rC:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
rc: Arecibo	 0-12	l 	 0.0-2.0	 3.5-5.5	 0	0	0	0
AI ecibo	12-68		0.0-2.0	3.5-5.5		o i	0	
	68-82	i	1.0-5.0	3.5-5.5		ő	0	0
	82-99	ļ	0.0-2.0	3.5-5.5	0	o	0	Ö
a:	 	 						
Bajura	0-7	30-40		5.6-6.5	i o i	o i	0	j o
-	7-60	25-35		5.6-6.5	0	0	0	0
cB:] [[]	<u> </u>	 			
Bayamon	0-11	j	3.0-15	4.5-5.5	j 0 j	0 j	0	j o
	11-65	ļ	4.0-14	4.5-5.5	0	0	0	į o
cC:	 	 						
Bayamon	0-11		3.0-15	4.5-5.5	0	0	0	0
	11-65		4.0-14	4.5-5.5	0	0	0	0
sB:	 	 		 				
Bayamon	0-11		3.0-15	4.5-5.5	0	0	0	0
	11-65 	 	4.0-14 	4.5-5.5	0	0	0	0
sc:		į				ļ		
Bayamon	0-11	ļ	3.0-15	4.5-5.5	0	0	0	0
	11-65 	 	4.0-14 	4.5-5.5 	0	0	0	0
yB:		į						
Bayamon	0-11	ļ	3.0-15	4.5-5.5	0	0	0	0
	11-65		4.0-14	4.5-5.5	0	0	0	0

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth 	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	I In	meq/100 g	 meq/100 g	рн	Pct	Pct	mmhos/cm	_
ByC:	 0-11	 	 3.0-15	 4.5-5.5			0	
Bayamon	0-11 11-65	 	3.0-15 4.0-14	4.5-5.5	0	0	0 0	0
CaF:	 	 	 					
Caguabo	0-6	25-40	j	6.1-6.5	j 0 j	o j	0	j o
	6-13	25-40	j	6.1-6.5	j 0 j	0 j	0	j o
	13-18							
	18-22 			 				
CbF:	! 		! 	 				
Caguabo	0-6	25-40		6.1-6.5	0	0	0	0
	6-13	25-40	ļ	6.1-6.5	0	0	0	0
	13-18	ļ	!			!		ļ
	18-22 		 	 				
Rock Outcrop	0-60	ļ						
CcD:	 		 					
Caracoles	0-6	8.0-20		6.6-7.3	0	0	0	0
	6 - 10			 				
CcE:	 		 					
Caracoles	0-6	8.0-20		6.6-7.3	0	0	0	0
	6-10 		 	 				
CeC:		İ	İ					į
Carrizales	0-8	ļ	1.0-5.0	4.5-5.5	0	0	0	0
	8-60		0.0-5.0	4.5-5.5	0	0	0	0

Map symbol and soil name	Depth 	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
Cf:	In	meq/100 g	 meq/100 g	рн	Pct	Pct	mmhos/cm	- I
Catano	l l 0-60	0.0-10	l I	 7.9-8.4		0	0	0
Catano	0-60 60-64	0.0-10	 	7.9-8.4	10-50	0	0	0 0
Cg:	! 		i					
Coastal Beaches	0-6	j	j	5.1-7.8	j o j	0 j	4.0-32.0	j o
	6-80	j	j	5.1-7.8	0	0	4.0-32.0	į o
ClD2:	 		! 					
Colinas	0-8	25-37	j	7.9-8.4	40-70	0 j	0	j o
	8-21	2.0-19	j	7.9-8.4	70-90	0 j	0	j o
	21-60	ļ	ļ		0	0	0	į o
ClE2:	 		 					
Colinas	0-8	25-37	j	7.9-8.4	40-70	o j	0	j o
	8-21	2.0-19	j	7.9-8.4	70-90	o j	0	j o
	21-60	j	j		0	0	0	0
ClF2:	 		 					1
Colinas	0-8	25-37	j	7.9-8.4	40-70	0 j	0	j o
	8-21	2.0-19	j	7.9-8.4	70-90	0 j	0	j o
	21-60	ļ	j	 	0	0	0	0
CmF2:	 		! 					
Colinas	0-8	25-37	j	7.9-8.4	40-70	o j	0	j o
	8-21	2.0-19	j	7.9-8.4	70-90	o j	0	j 0
	21-60	ļ	ļ		0	0	0	0
Cn:	 		 	[]				
Coloso	0-7	22-30	i	5.6-6.5	i o i	o i	0	i o
	7-60	20-28	i	5.6-6.5	i o i	o i	0	i o

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CoE:						1		
Consejo	0-5		12-18	3.5-5.0	0	0	0	0
	5-18		10-18	3.5-5.0	0	0	0	0
	18-28		7.0-10	3.5-5.0	0	0	0	0
	28-60		6.0-10	3.5-5.0	0	0	0	į o
Cof:			 	 				
Consejo	0-5	i	12-18	3.5-5.0	j 0 j	0 j	0	j o
	5-18	i	10-18	3.5-5.0	i o i	0 j	0	j o
	18-28	i	7.0-10	3.5-5.0	i o i	0 j	0	j o
	28-60	ļ	6.0-10	3.5-5.0	0	o į	0	į o
CpE:		 	 	 				-
Consumo	0-6	i	9.0-17	4.5-5.0	i o i	o i	0	i o
	6-18	i	9.0-17	4.5-5.0	i o i	o i	0	i o
	18-50	ļ	8.0-19	4.5-5.0	0	o į	0	0
CpF:		 	 	 				
Consumo	0-6	i	9.0-17	4.5-5.0	i o i	o i	0	i o
	6-18	i	9.0-17	4.5-5.0	0	o i	0	0
	18-50	ļ	8.0-19	4.5-5.0	0	0	0	0
CrC:			 	 				
Corozal	0-6		20-25	4.5-5.0	0	o i	0	0
	6-41		12-28	4.5-5.0		o i	0	
	41-60		32-35	4.5-5.0		0	0	
	41-60		32-35	4.5-5.0	0	0	0	0

Map symbol and soil name	Depth	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
CsC:	In	 meq/100 g	 meq/100 g	рн	Pct	Pct	mmhos/cm	
	0 10	<u> </u>					•	
Corozo	0-12	ļ	1.0-2.0	3.5-5.5	0	0	0	0
	12-18	ļ	0.0-2.0	3.5-5.5	0	0	0	0
	18-24	ļ	1.0-3.0	3.5-5.5	0	0	0	0
<u> </u>	24-33	ļ	3.0-8.0	3.5-5.5	0	0	0	0
	33-60		2.0-6.0	3.5-5.5	0	0	0	0
CtB:		! 	 	[-
Coto	0-8	i	5.0-11	5.1-5.5	i o i	o i	0	j o
	8-75	j	2.0-8.0	4.5-5.5	j o j	o į	0	0
CtC:		 	 			-		-
Coto	0-8	 	 5.0-11	 5.1-5.5		0	0	0
COCO	0-8 8-75	 	2.0-8.0	3.1-3.5 4.5-5.5		0	0	0 0
	8-75		2.0-8.0 	4.5-5.5 	0	0	U	0
CuF:		j	j		j j	į		j
Cuchillas	0-16		4.0-7.0	4.5-5.0	0	0	0	0
	16-28							
	28-32							
CvF:		! !	l I					-
Cuchillas	0-16	i	4.0-7.0	4.5-5.0	0	0	0	0
İ	16-28		ĺ			Ì		i
ļ	28-32	ļ				[ļ
Rock Outcrop	0-60							
DaD2:		 	 					
Daguey	0-8	i	5.0-20	4.5-5.5	i o i	o i	0	i o
- 5 1	8-56	i	6.0-23	4.5-5.5		o i	0	0
i	56-68	i	7.0-12	4.5-5.5		o l	0	

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange	Soil reaction	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion
		capacity 	capacity		ace 			ratio
	In	meq/100 g	 meq/100 g	pH	Pct	Pct	mmhos/cm	
EaB:						- 1		
Espinosa	0-10		2.0-4.0	4.5-5.5	0	0	0	0
	10-66		2.0-4.0	4.5-5.5	0	0	0	0
aC:			! 	! 				
Espinosa	0-10	j	2.0-4.0	4.5-5.5	j o j	o j	0	j o
	10-66		2.0-4.0	4.5-5.5	0	0	0	0
EbB:			 	 				
Espinosa	0-10	i	2.0-4.0	4.5-5.5	i o i	o i	0	j o
·	10-66	ļ	2.0-4.0	4.5-5.5	j o j	o į	0	į o
EbC:			 	 				
Espinosa	0-10	i	2.0-4.0	4.5-5.5	i o i	o i	0	j o
·	10-66	ļ	2.0-4.0	4.5-5.5	j o j	o į	0	į o
EcB:			 	 				
Espinosa	0-10	i	2.0-4.0	4.5-5.5	i o i	o i	0	j o
_	10-66	ļ	2.0-4.0	4.5-5.5	0	0	0	į o
EcC:			 	 				
Espinosa	0-10	i	2.0-4.0	4.5-5.5	i o i	o i	0	i o
	10-66		2.0-4.0	4.5-5.5	0	0	0	0
is:			 	 	 			1
Estacion	0-8	20-24	i	5.6-6.5	i o i	o i	0	i o
j	8-20	24-25	j	5.6-6.5	i o i	o i	0	0
	20-50	2.0-10	j	5.6-6.5	i o i	o i	0	i o

Chemical Properties of the Soils--Continued

			<u> </u>			<u>_</u>		
Map symbol and soil name	Depth	Cation exchange capacity	 Effective cation exchange capacity	 Soil reaction 	 Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	In	 meq/100 g	 meq/100 g	PH	Pct	Pct	mmhos/cm	-
Ga:			 	 		ļ		
Garrochales	0-46	178-206	 	5.1-6.5	1 0 1	o i	0	i o
	46-56	80-100	 	7.9-9.0		ő	0	
	56-74	178-205		6.6-7.3	0	o	Ö	0
GeC:			 	 		ł		
Guerrero	0-10	1.0-2.0	i	5.6-6.0	i o i	o i	0	i o
	10-24	0.0-2.0	i	5.6-6.0	i o i	o i	0	j o
	24-43	i	1.0-6.0	5.1-5.5	i o i	o i	0	i o
	43-58	ļ	5.0-8.0	4.5-5.5	į o į	0	0	į o
HD:			 	 	 	 		
Hydraquents	0-60	j	ļ	ļ	ļ ļ	į	16.0-32.0	į
HmE:			 	 	 	 		
Humatas	0-5	j	9.0-17	4.5-5.5	j o j	o j	0	j o
	5-30	j	3.0-14	4.5-5.5	j 0 j	0 j	0	j o
	30-56	ļ	3.0-17	4.5-5.5	0	0 j	0	j 0
imF:			 	 	 			
Humatas	0-5	j	9.0-17	4.5-5.5	j o j	0 j	0	j o
	5-30	j	3.0-14	4.5-5.5	j o j	0 j	0	j o
	30-56	j	3.0-17	4.5-5.5	0	0 j	0	į o
HS:			 	 		ľ		
Hydraquents	0-60	1	l	l	1 İ	i	8.0-16.0	l

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	 meq/100 g	PH	Pct	Pct	mmhos/cm	_
InD:	l l 0-6	 	 10 10				0	
Ingenio	0-6 6-38	 	10-18 13-21	4.5-5.0 4.5-5.0	0	0 0	0 0	0
	6-38 38-60	 	13-21 21-25	4.5-5.0		0	0	0
	38-60 60-64	 	21-25 24-29	4.5-5.0		0	0	0 0
	00-0 1		24-29 	4.5-5.0	'	١	U	0
InE:		! !	! 	! !				
Ingenio	0-6	i	 10-18	4.5-5.0	i o i	o i	0	i o
	6-38	i	13-21	4.5-5.0	i o i	o i	0	i o
	38-60	i	21-25	4.5-5.0	i o i	o i	0	i o
	60-64	j	24-29	4.5-5.0	i o i	o į	0	j o
		İ	j	j	i i	į		j
IsC:		[1		
Islote	0-8	9.0-21		5.6-7.3	0	0	0	0
	8-30	20-24	ļ	6.1-7.3	0	0	0	0
	30-34	ļ	ļ	ļ				ļ
		!			!!!	-		
Ja: Jareales	l l 0-6	 30-50	l I	 6.6-7.3	,		0	
Jareales	0-6 6-28	30-50 25-45	 	•	0	0	0	0
	6-28 28-60	25-45 170-210	 	6.6-7.3		0	0 0	0 0
	20-60 	170-210 	 	6.1-6.5	'	١	U	"
JoC:		! !	! !	! !				-
Jobos	0-8	i	1.0-2.0	5.1-5.5	i o i	o i	0	0
	8-55	i	7.0-10	5.1-5.5		o i	0	i o
		i			i i	i	•	
JuD2:		i	i	i	j i	j		i
Juncal	0-8	24-30	i	5.6-6.5	i o i	o į	0	j o
	8-40	24-30	i	7.4-8.4	j o j	o j	0	j o
	40-60	20-28	i	8.5-9.0	i o i	o i	0	i o

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	In	 meq/100 g	 meq/100 g	 pH	Pct	Pct	mmhos/cm	_
uE2:					! . !			
Juncal	0-8	24-30		5.6-6.5	0	0	0	0
	8-40	24-30		7.4-8.4	0	0	0 0	0
	40-60	20-28	 	8.5-9.0 	0 	0	O	0
cE2:		 	 	 	 			
Lirios	0-6		18-24	4.5-5.5	0	0	0	0
	6-24		10-18	4.5-5.5	0	0	0	0
	24-60		7.0-10	4.5-5.5	0	0	0	0
cF2:			<u> </u>			į		
Lirios	0-6		18-24	4.5-5.5	0	0	0	0
	6-24		10-18	4.5-5.5	0	0	0	0
	24-60		7.0-10 	4. 5-5.5 	0	0	0	0
DF:					i i	i		
Landfill								
·gD:			<u> </u>			į		
Los Guineos	0-6		12-23	3.5-5.0	0	0	0	0
	6-62		3.0-6.0	3.5-5.0	0	0	0	0
gE:					j j	i		
Los Guineos	0-6		12-23	3.5-5.0	0	0	0	0
	6-62		3.0-6.0	3.5-5.0	0	0	0	0
.gF:			! 			ł		
Los Guineos	0-6		12-23	3.5-5.0	0	0	0	0
	6-62		3.0-6.0	3.5-5.0	I 0 I	0	0	l 0

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
LME:		ļ	!		! !			!
Los Guineos	0-6 6-62		12-23 3.0-6.0	3.5-5.0	0	0	0 0	0
Maricao	0-6		12-23	3.5-5.0		0	0	0
İ	6-20	i	10-20	3.5-5.0	0 1	0	0	j o
	20-60	ļ	8.0-12	3.5-5.0	į 0 į	0 į	0	į o
Rock Outcrop	0-60			 				
MaF2:			! 					İ
Maraguez	0-7	25-38	ĺ	5.6-6.5	0	0	0	0
	7-21	20-25		5.6-6.5	0	0	0	0
	21-60	15-20	j	5.6-6.5	0	0	0	į o
McF:			! 					
Maricao	0-6		12-23	3.5-5.0	0	0	0	0
	6-20		10-20	3.5-5.0	0	0	0	0
	20-60		8.0-12	3.5-5.0	0	0	0	0
MmF:			! 					
Matanzas	0-8	12-21		5.6-7.3	0	0	0	0
	8-42	7.0-10		5.6-7.3	0	0	0	0
	42-46							
Rock Outcrop	0-60							
MnB:			 					
Matanzas	0-8	12-21	j	5.6-7.3	j 0 j	0 j	0	j o
İ	8-42	7.0-10	j	5.6-7.3	j 0 j	0	0	j 0
į	42-46	i	j	i	i i	i		j

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	In	 meq/100 g	 meq/100 g	 рн	Pct	Pct	mmhos/cm	_
MoC2:								
Moca	0-6		12-22	4.5-5.0	0	0	0	0
	6-30		12-20	4.5-5.0	0	0	0	0
	30-60		12-20 	4. 5-5.0 	0	0	0	0
MoD2:		j I	j I		į į	į		İ
Moca	0-6	i	12-22	4.5-5.0	i o i	o i	0	i o
	6-30	i	12-20	4.5-5.0	i o i	o i	0	i o
	30-60	ļ	12-20	4.5-5.0		o	0	0
MoE2:		[[
Moca	0-6	j	12-22	4.5-5.0	j 0 j	0	0	j o
	6-30	j	12-20	4.5-5.0	i o i	o j	0	j o
	30-60	ļ	12-20	4.5-5.0	j 0 j	0	0	0
MpF2:		! 	 	 				
Morado	0-9	48-63		6.1-7.3	0	0	0	0
	9-22	48-60		6.1-7.3	0	0	0	0
	22-36	45-53		6.1-7.3	0	0	0	0
	36-40					[
MuE:						ļ		
Mucara	0-6	ļ	ļ	5.6-7.3	ļ ļ		0	ļ
	6-13	ļ	ļ	5.6-7.3			0	
	13-27							
	27-31							

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	рн	Pct	Pct	mmhos/cm	_
MuF:	0.6		 			- !	0	ļ
Mucara	0-6 6-13			5.6-7.3 5.6-7.3		!	0 0	
	13-27	 	 	5.6-7.3		!	U	
	27-31		 	 				
NaD:		 	 	 				
Naranjo	0-8	15-25	i	7.9-8.4	25-40	o i	0	i o
i	8-22	15-25	i	7.9-8.4	40-50	o i	0	i o
	22-60	15-25	ļ	7.9-8.4	40-60	0	0	0
NaE:			 	 				i i
Naranjo	0-8	15-25	ļ	7.9-8.4	25-40	0	0	0
İ	8-22	15-25	ļ	7.9-8.4	40-50	0	0	0
	22-60	15-25		7.9-8.4	40-60	0	0	0
NaF:		 	 	 				
Naranjo	0-8	15-25		7.9-8.4	25-40	0	0	0
	8-22	15-25		7.9-8.4	40-50	0	0	0
	22-60	15-25	 	7.9-8.4	40-60	0	0	0
Pa:			 			i		
Palmar	0-75	175-210	 	6.1-7.3	0	0	0	0
PeF:						i		
Pellejas	0-6		31-45	4.5-5.5	0	0	0	0
	6-11		22-39	4.5-5.5	0	0	0	0
	11-16		15-20	4.5-5.5	0	0	0	0
	16-62		5.0-20	4.5-5.5	0	0	0	0

Chemical Properties of the Soils--Continued

and soil name PhC2: Perchas	In 0-7 7-58	Cation exchange capacity	Effective cation exchange capacity	PH 4.5-5.0 4.5-5.0	Calcium carbon- ate Pct 0 0	Gypsum	mmhos/cm 0	Sodium adsorp- tion ratio
PhC2: Perchas)-7 7-58)-7	 	18-29 7.0-18 18-29	4.5-5.0 4.5-5.0	j j 0	0 j	0	0
Perchas 0 7 PhD2: Perchas 0 7 Ps: Pits 0 6 Pt: Pits 0 10 Re: Reilly 0 7	7-58)-7	 	7.0-18 18-29	4.5-5.0				j 0
PhD2: Perchas	7-58)-7	 	7.0-18 18-29	4.5-5.0				0
PhD2: Perchas	0-7	 	 18-29		0 	0	^	:
Perchas 0 7 Ps:		I			!!		U	0
Perchas 0 7 Ps:		I			I I			
Ps:	7-58			4.5-5.0	ioi	o i	0	0
Pits 0 6 Pt:			7.0-18	4.5-5.0	0	0	0	Ö
Pits 0 6 Pt:								
Pt:					!!!	ļ	_	ļ
Pt:	0-6				! !	!	0	
Pits 0 10 10 Re: 0 7	5-60		 				0	
10 Re: Reilly 0 7			İ		i i	j		
Re: Reilly 0 7	0-10						0	
Reilly 0	0-60						0	
- 7			 					
•)-7	20-25	i	5.6-6.5	i o i	o i	0	i o
13	7-13	1.0-10	j	5.6-6.5	i o i	o j	0	j o
	3-55	1.0-10	ļ	5.6-6.5	į o į	0	0	0
RlC:			 			-		
	0-17	1.0-3.0	i	6.1-6.5	i o i	o i	0	i o
-	7-26	1.0-3.0	i	6.1-6.5	i o i	o i	0	i o
26	5-77	2.0-11	ļ	6.1-6.5	[0	0	0
Rm:			 					
Riverwash		i	i		i i	i		
j		i	i	İ	i i	i		i

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth 	Cation exchange capacity	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	 	meg/100 g	 meq/100 g	 pH	Pct	Pct	mmhos/cm	_
Ro:					-00		military on	1
Rock Outcrop	0-60		ļ	ļ	ļ j			
Rr:			 	 				
Rock Outcrop	0-60		ļ	ļ		[ļ
RsF:			 	! 				
Rock Outcrop	0-60							
San German	0-3	15-30		 7.4-8.4	20-40	0	0.0-2.0	0-2
	3-10	10-20		7.4-8.4	40-80	0	0.0-2.0	0-2
	10-14							
RtF:			 	! 				
Rock Outcrop	0-60							
Tanama	0-5	25-40		 6.1-6.5	0	0	0	0
	5-16	25-40		6.1-6.5	0	0	0	0
ļ	16-20							
SaB:			! 	! 				
Sabana Seca	0-10		11-17	3.5-5.0	0	0	0	0
į	10-70		10-17	3.5-5.0	0	0	0	0
SgD:			! 	! 				
San German	0-3	15-30		7.4-8.4	20-40	0 j	0.0-2.0	0-2
	3-10	10-20		7.4-8.4	40-80	0	0.0-2.0	0-2
	10-14							

Chemical Properties of the Soils--Continued

Map symbol and soil name	 Depth 	Cation exchange capacity	Effective cation exchange capacity	 Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	 In	 meq/100 g	 meq/100 g	PH	Pct	Pct	mmhos/cm	_
SgF:		15 20	!					
San German	0-3	15-30 10-20		7.4-8.4	20-40	0 0	0.0-2.0	0-2
	3-10	10-20	 	7.4-8.4	40-80	!	0.0-2.0	0-2
	10-14			ļ 				!
SmF:	 		! !	¦		}		-
San Sebastian	0-6	24-30	! 	 7.4-8.4	40-60	0	0	0
bail bebabelan	6-55	24-30	 	7.4-8.4	40-60		0	0
	33		İ		-0 00	i	•	i
	į		İ	ĺ	į į	į		İ
SnC:			ļ		! !			
Santa Clara	0-9	26-32	ļ	6.6-7.3	0-10	0	0	0
	9-33	20-28		7.4-7.8	10-15	0	0	ļ o
	33-37							
SNS:	 		! !	! !				-
(soils Not Surveyed)-	¦	l	i	i	i i	i		i
(20112 1.00 241 107 04,	İ	İ	İ	İ	i i	i		i
SoC:	İ	i	İ	İ	i i	i		i
Soller	0-5	25-35	j	7.9-8.4	0-2	0 j	0	j o
	5-25	25-40	j	7.9-8.4	1-5	0 j	0	j o
	25-29		ļ	ļ				ļ
	ļ		ļ	ļ		!		!
SoD:							•	
Soller	0-5	25-35		7.9-8.4	0-2	0	0	0
	5-25	25-40	 	7.9-8.4	1-5	0	0	0
	25-29			 				
SoF:	 			! 				
Soller	0-5	25-35	i	7.9-8.4	i 0-2 i	o i	0	i o
	5-25	25-40	i	7.9-8.4	j 1-5 j	o i	0	j o
	i 25-29	i	i	i	i i	i		j

Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	 meq/100 g	PH	Pct	Pct	mmhos/cm	
SpD:		 	 		 			
Soller	0-5	25-35	i	7.9-8.4	0-2	o i	0	i o
	5-25	25-40	i	7.9-8.4	1-5	o i	0	i o
	25-29		ļ					
SpF:			 	[]				
Soller	0-5	25-35	i	7.9-8.4	0-2	o i	0	0
	5-25	25-40	i	7.9-8.4	1-5	o i	0	i o
	25-29							
SrF:			 					-
Soller	0-5	25-35	 	 7.9-8.4	0-2	o l	0	0
borrer	5-25	25-40	i	7.9-8.4	1-5	o l	0	
	25-29							
Rock Outcrop	0-60	 	 	 	 			
ГаВ:		 	 					
Tanama	0-5	25-40	i	6.1-6.5	0	o i	0	l o
	5-16	25-40	i	6.1-6.5		o i	0	0
	16-20		ļ					
TaC2:		 	 					
Tanama	0-5	25-40	i	6.1-6.5	i o i	o i	0	i o
	5-16	25-40	i	6.1-6.5	0	o i	0	i o
	16-20		ļ					
TaD2:			 					
Tanama	0-5	25-40	i	6.1-6.5	i o i	o i	0	i o
	5-16	25-40	i	6.1-6.5	0	o i	0	i o
	16-20		i					1

Chemical Properties of the Soils--Continued

Map symbol and soil name	 Depth 	Cation exchange capacity	 Effective cation exchange capacity	 Soil reaction 	 Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	 meq/100 g	 рн	Pct	Pct	mmhos/cm	-
Tb:	 		 	 				
Tiburones	 0-84 	220-336	 	 4.5-7.3 	0-5 0-5	0	0	0
ľo:	 		 	[[
Toa	0-8	23-27	i	5.1-7.3	j o i	0	0	j o
	8-18	23-27	j	5.1-7.3	j o j	0	0	j o
	18-33	21-27		5.1-7.3	0	0	0	0
	33-63	20-30		6.6-7.8	0	0	0	0
TP:	! 		 					
Tropopsamments	0-60	0.0-10		7.4-8.4	10-15	0	0.0-2.0	0
Ur: Urban Land	 0-6		 	 	 		0	
VaB:	! 		 					
Vega Alta	0-8	j	15-24	5.1-5.5	j o j	0	0	j o
	8-70		13-25	4.5-5.5	0	0	0	0
VaC2:	 		<u> </u>		 			
Vega Alta	0-8	j	15-24	5.1-5.5	j o j	0	0	j o
	8-70	ļ	13-25	4.5-5.5	į o į	0	0	j 0
VcB:	 		 		 			
Vega Alta	0-8	i	15-24	5.1-5.5	i o i	0	0	i o
-	8-70	ļ	13-25	4.5-5.5	į o į	0	0	0
VcC2:	 		 	 	 			
Vega Alta	0-8	i	15-24	5.1-5.5	i o i	0	0	i o
-	8-70	i	13-25	4.5-5.5	i o i	0	0	i o

Map symbol and soil name	Depth 	Cation exchange capacity 	Effective cation exchange capacity	Soil reaction 	Calcium carbon- ate	Gypsum 	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
VeB:]]	[[
Vega Baja	0-8	10-14	i	4.5-6.5	i o i	ol	0	l 0
regu zuju	8-48	14-19	i	4.5-6.5		0 1	0	0
	48-70		ļ	5.1-6.5			0	
Vg:		 	 					
Vigia	0-18	175-210	i	5.6-6.5	i o i	o	0	l 0
11314	18-60	30-50	ļ	5.1-6.5		0	0	0
Vm:		 						
Vivi	l l 0-7		 30-50	 4.5-5.5	0	0	0	0
V1V1	0-7 7-14		25-40	4.5-5.5		0 1	0	
	14-25		25-40	4.5-5.5		0 1	0	
	25-60		15-30	4.5-5.5		0	0	0
VoC2:				l				
Voladora	l l 0-8		 19-24	 3.5-4.4		0	0	0
VOIAGOIA	0-8 8-33	 	19-30	3.5-5.5		0 1	0	
	6-33 33-50	 	19-30	3.5-5.5		0	0	0
	į	ļ	į	j	į į	į		į
VoD2:		!	1004				•	
Voladora	0-8		19-24	3.5-4.4	0	0	0	0
	8-33	!	19-30	3.5-5.5	0	0	0	0
	33-50 		19-24 	3.5-5.5 	0	0	0	0
VoE2:		<u> </u>						
Voladora	0-8		19-24	3.5-4.4	0	0	0	0
	8-33		19-30	3.5-5.5	0	0	0	0
	33-50	l	19-24	3.5-5.5	1 0 1	0 1	0	l 0